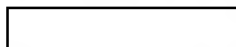


NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

**BASIC IMAGERY
INTERPRETATION
REPORT**

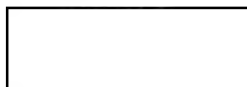
MOSKVA RADAR PLANT KUNTSEVO 304



25X1

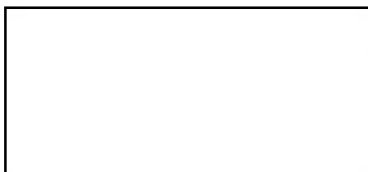
STRATEGIC WEAPONS INDUSTRIAL FACILITIES

USSR

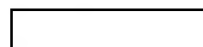


25X1

DECLASS REVIEW by
NIMA/DOD



TOP SECRET 25X1



RCA-09/0040/71

COPY NO 119

6 PAGES

20543

25X1

Approved For Release 2003/08/05 : CIA-RDP78T04563A000800010045-09/0040/71

25X1

25X1

INSTALLATION OR ACTIVITY NAME

COUNTRY

Moskva Radar Plant Kuntsevo 304

UR

UTM COORDINATES

GEOGRAPHIC COORDINATES

NA

55-42-29N 037-26-18E

25X1

MAP REFERENCE

ACIC. US Air Target Chart, Series 200, Sheet 0167-5, scale 1:200,000

LATEST IMAGERY USED

NEGATION DATE (If required)

NA

25X1

ABSTRACT

1. Moscow (Moskva) Radar Plant Kuntsevo 304 consists of 121 buildings in three main areas: an administration/engineering area, a fabrication/assembly area, and a transshipment/storage area. The plant consisted of 70 buildings in 1941, and was producing small arms and small arms ammunition. Most of the added buildings were constructed between 1956 and 1964, and only limited additional construction has taken place since 1964. The plant was converted to the production of radar and radar tracking equipment after World War II and may be involved in producing external missile guidance and control systems.

2. This report includes a location map, a photograph, a line drawing, and mensural and chronological data of the plant.

INTRODUCTION

3. Moscow Radar Plant Kuntsevo 304 is located in the Kuntsevo District of southwest Moscow (Figure 1). The plant is approximately 3.5 nautical miles (nm) southwest of Moscow/Fili Airfield [] and approximately 4.4 nm north of Moscow/Orlovo Airfield []. Plant 304 is situated on the south bank of the Setun River, approximately 0.8 nm south of Kutuzovskiy Prospekt. Three secondary roads provide access to the plant from Kutuzovskiy Prospekt.

4. Soviet aerospace installations are concentrated in the greater Moscow area and Plant 304 could be associated with many of them. Many of the aerospace installations in the Moscow area are listed in a 1968 NPIC report.¹

5. [] obtained good photographic coverage of Plant 304 in [] again in []. Subsequent coverage of the plant has included one [] mission, one [] and numerous []. Most of the coverage obtained since [] has been of limited interpretability.

25X1
25X125X1
25X1
25X1
25X1

25X1

25X1

25X1

BASIC DESCRIPTION

6. Plant 304 consists of 121 buildings. The major buildings--those containing 929.0 square meters (10,000 square feet) or more of floorspace--include seven administration/engineering buildings, nine fabrication/assembly buildings, 18 shop buildings, eight warehouses, and a heating plant (Figures 2 and 3; Table 1). The remaining 78 buildings are support buildings. These include small administration/engineering buildings, small shop buildings, and miscellaneous buildings.

7. Plant 304 covers a secured area of 494 acres. The 121 buildings contain a total floorspace of []. A functional breakdown of floorspace is given below.

25X1

25X1

Administration/engineering bldgs
Fabrication/assembly bldgs
Shop bldgs
Warehouses
Support bldgs

Total floorspace

--	--

25X1

Approved For Release 2003/08/05 : CIA-RDP78T04563A000800010045-0

25X1

25X1

25X1

25X1

25X1

Chronology

25X1

8. Plant 304 was operational prior to World War II. The plant, as observed on [redacted] photography of 1941, consisted of 70 buildings; 68 were complete and two--a fabrication/assembly building (item 24, Figure 3) and a shop building (item 11)--were under construction. The 68 complete buildings included 21 major buildings and 47 support buildings. The major buildings included three administration/engineering buildings, six fabrication/assembly buildings, 11 shop buildings, and a heating plant. Some of the support buildings were razed in later years. No significant changes were observed on [redacted]

25X1

25X1

25X1

9. [redacted] photography of Plant 304, obtained in [redacted] was of limited interpretability. The fabrication/assembly building (item 24), first seen under construction in [redacted] was complete. A large section had been added to one of the shop buildings (item 18) first seen in [redacted] Two new major buildings were identified in [redacted] administration/engineering building (item 3) and a fabrication/assembly building (item 34). Seven support buildings were also identified.

25X1

25X1

25X1

25X1

10. Total floorspace of Plant 304 was [redacted] as of [redacted]

25X1

25X1

25X1

11. Five major buildings were seen for the first time in [redacted]. These included two administration/engineering buildings (items 14 and 16), a shop building (item 20), and two warehouses (items 39 and 40).

25X1

12. Eleven support buildings were also observed for the first time in [redacted]. Some of these support buildings may have been present in [redacted] but the limited interpretability of the coverage precluded their identification.

25X1

25X1

13. A fabrication/assembly building (item 35) and a support building were under construction in [redacted]. An administration/engineering building (item 1) and a shop building (item 6) were enlarged between [redacted]. A warehouse (item 4) was created by adding a section to an existing support building. Two other support buildings were also enlarged between [redacted]

25X1

25X1

25X1

14. Five major buildings were constructed between [redacted]. These included an administration/engineering building (item 8), a shop building (item 17), and three warehouses (items 36, 37, and 41). The fabrication/assembly building (item 35), seen under construction in [redacted] had also been completed.

25X1

15. Ten support buildings were also identified in [redacted]. Three shop buildings (items 19, 31, and 32) and a support building had been enlarged since [redacted]. A support building under construction in [redacted] was completed by [redacted]

25X1

25X1

25X1

16. Two fabrication/assembly buildings (items 24 and 27) and a shop building (item 23) were enlarged between [redacted]. A section was also added to the heating plant (item 38).

25X1

17. Nineteen support buildings were constructed between [redacted]. A warehouse (item 42) and a support building were observed under construction in [redacted]

25X1

25X1

25X1

25X1

18. [redacted] Plant 304 consisted of 114 buildings, of which 112 were complete. Of these 112 buildings, 40 were major buildings and 72 were support buildings.

19. Plant 304 contained [redacted] of floorspace as of [redacted]

25X1

25X1

25X1

20. Construction at Plant 304 since [redacted] has been limited. The warehouse (item 42) and the support building, under construction in [redacted] had been completed by [redacted]. Two POL storage tanks were added to the heating plant between [redacted]

25X1

25X1

25X1

25X1

25X1

25X1

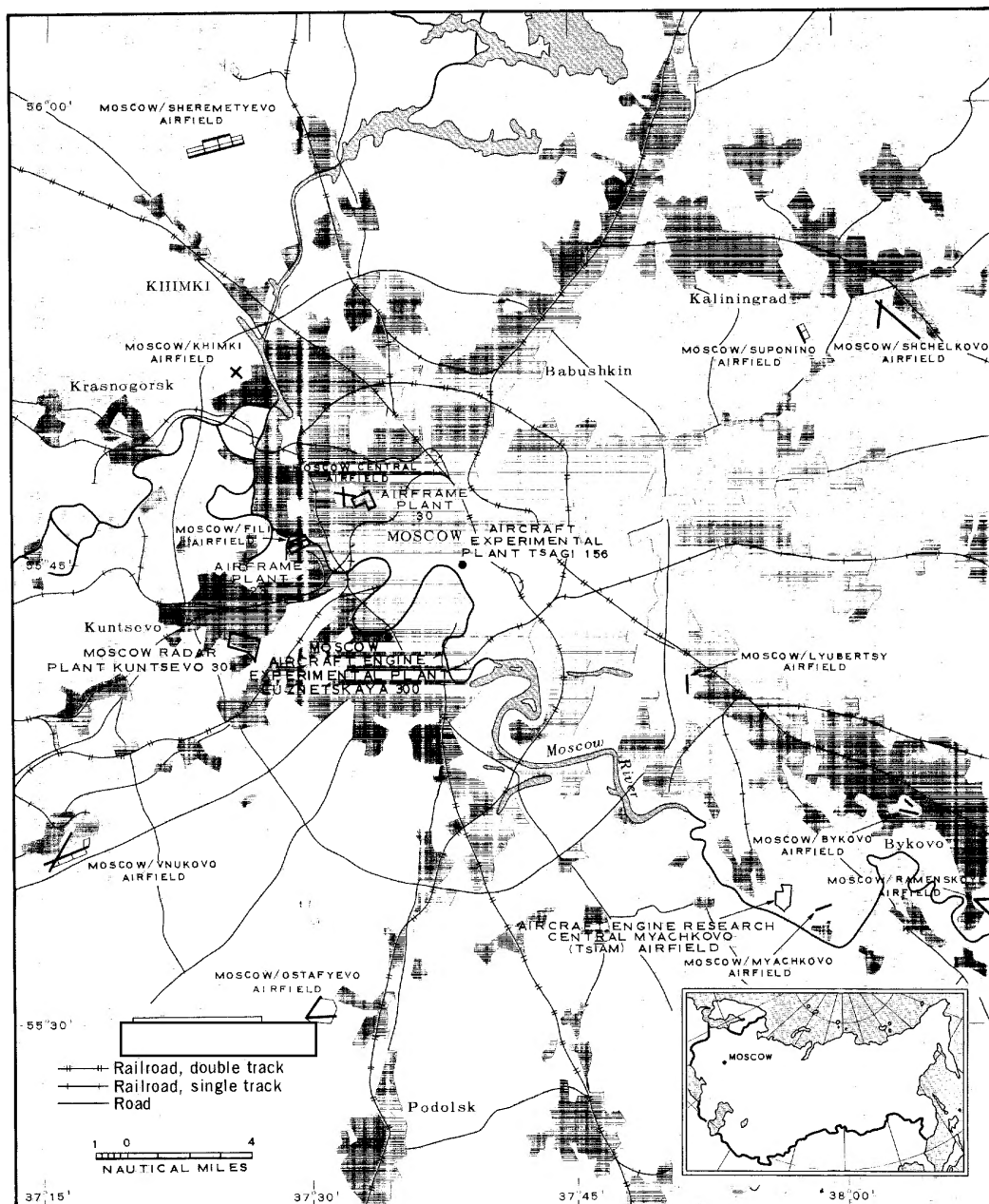


FIGURE 1. LOCATION MAP

25X1

and [redacted] Three support buildings had also been constructed. A shop building (item 13) was observed under construction in [redacted]

25X1

21. A warehouse (item 43) was seen under construction in [redacted] The shop building (item 13), under construction since [redacted] was completed by [redacted] Three support buildings were also observed in [redacted]

25X1

25X1

25X1

25X1

25X1

25X1

25X1

22. The warehouse (item 43), under construction in [redacted] was completed by [redacted] A support building had also been constructed since [redacted] Between [redacted] a shop building (item 10) was created by constructing a section between two existing support buildings. A small section was also constructed between two other support buildings to create one large support building.

23. A probable administration/engineering building (item 1a) was under construction [redacted] This has been the first new construction observed since [redacted]

25X1

25X1

25X1

TOP SECRET

Approved For Release 2003/08/05 : CIA-RDP78T04563A000800010045-0

RCA-09/0040/72

25X1

25X1

Table 1. Moscow Radar Plant Kuntsevo 304 (Keyed to Figure 3)

Item	Description	Dimensions*		Floorspace sq meters sq feet	Complete	Remarks				
		Length feet	Width							
Area A - Admin/Engineering Area										
1	Admin/engineering bldg					One section is 2 stories; enlarged between [redacted] Udon [redacted]				
2	Prob admin/engineering bldg									
3	Admin/engineering bldg									
4	Warehouse					Original bldg first seen [redacted] rebuilt between [redacted]				
						Original bldg first seen [redacted] enlarged between [redacted]				
Area B - Fabrication/Assembly Area										
5	Shop bldg					Bldg slightly altered between [redacted]				
6	Shop bldg					Original bldg first seen [redacted] enlarged between [redacted]				
7	Shop bldg									
8	Admin/engineering bldg					2 stories				
9	Shop bldg					An admin/engineering section is situated on W end of bldg				
10	Shop bldg					Two sections complete in [redacted]				
11	Shop bldg					First seen udon in [redacted]				
12	Shop bldg					Bldg contains 2-story admin/engineering section				
13	Shop bldg					First seen udon [redacted]				
14	Admin/engineering bldg					4 stories				
15	Admin/engineering bldg					3 stories				
16	Admin/engineering bldg					2 stories				
17	Shop bldg					Multistory				
18	Shop bldg					Section added between [redacted]				
19	Shop bldg					Bldg has 2-story admin/engineering section; expanded between [redacted]				
20	Shop bldg					Bldg has two 2-story admin/engineering sections				
21	Shop bldg					Main section of bldg is 2 stories				
22	Shop bldg									
23		Bldg has 2-story admin/engineering section; enlarged between [redacted]								

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

24. As of [redacted] Plant 304 consisted of 121 buildings. Of these, 43 are major buildings and 78 are support buildings. The 121 buildings contain [redacted] of floorspace. The probable administration/engineering building (item 1a) under construction will contain at least [redacted] of additional floorspace.

Production Activity

25. Plant 304 originally produced small arms and small arms ammunition. Shortly after World War II, the Soviets began producing radar and radar tracking equipment at the plant. The plant may also be involved in the production of external guidance and control systems for missiles.² However, there is no photographic evidence of radar or guidance and control systems production at the plant.

Essential Services

26. Plant 304 is served by the highway and railroad systems of the greater Moscow area. The highway and railroad systems also provide easy access to the air and water transportation facilities in the Moscow area.

27. Electrical power for Plant 304 is probably supplied by the Moscow power grid. A large substation, located approximately 0.5 nm south of Plant 304, is probably the source of electrical power for the plant.

TOP SECRET

Approved For Release 2003/08/05 : CIA-RDP78T04563A000800010045-0

TOP SECRET

RCA-09/0040/71

Approved For Release 2003/08/05 : CIA-RDP78T04563A000800010045-0

Table 1. (Continued)

Item	Description	Dimensions* meters		Floorspace sq meters sq feet	Complete	Remarks
		Length	Width			
24	Fabrication/assembly bldg					First seen upon [redacted] bldg has two 2-story admin/engineering sections enlarged between [redacted]
25	Fabrication/assembly bldg					
26	Shop bldg					
27	Fabrication/assembly bldg					Bldg enlarged between [redacted]
28	Fabrication/assembly bldg					Bldg has a 2-story admin/ engineering section
29	Fabrication/assembly bldg					Bldg has a 2-story admin/ engineering section
30	Fabrication/assembly bldg					Bldg contains a 2-story admin/engineering section
31	Shop bldg					Enlarged between [redacted]
32	Shop bldg					Enlarged between [redacted]
33	Fabrication/assembly bldg					
34	Fabrication/assembly bldg					Bldg has a 2-story admin/ engineering section
35	Fabrication/assembly bldg					First seen upon [redacted]
Area C - Transshipment/Storage Area						
36	Warehouse					
37	Warehouse					
38	Heating plant					Bldg & covered conveyor enlarged between [redacted] [redacted] [redacted]
39	Warehouse					
40	Warehouse					
41	Warehouse					
42	Warehouse					First seen upon in [redacted]
43	Warehouse					First seen upon in [redacted]
Total Floorspace of Numbered Bldgs						
Total Floorspace of Unnumbered Bldgs						
Total Floorspace of Plant 304						

*Measurements are accurate to within ± 13 meters plus 1% within a 95% confidence interval. Heights were not determined because of lack of good imagery.



FIGURE 3. LINE DRAWING OF MOSCOW RADAR PLANT KUNTSEVO 304

TOP SECRET

Approved For Release 2003/08/05 : CIA-RDP78T04563A000800010045-0

TOP SECRET

SCA-09/0040/71

25X1
25X1**Security**

28. Plant 304 is secured by a wall/fence containing two rail entrances and five road entrances. The road entrances are located near buildings which probably serve as control points. The rail entrances are probably also controlled. Special security measures such as guard towers were not observed.

25X1

REFERENCES



MAPS OR CHARTS

ACIC. US Air Target Chart, Series 200, Sheet 0167-5, scale 1:200,000

DOCUMENTS

1. NPIC. [] *Index of Aerospace Installations in the Moscow Area*, Feb 68 (TOP SECRET []
CODEWORD--handle via []
2. CIA Plant Folder No. 7009642

25X1
25X1

REQUIREMENT

COMIREX J02
NPIC/IEG/SD/NIB Project 221368

25X1

TOP SECRET

25X1

~~TOP SECRET~~

~~TOP SECRET~~